

DRI314730LT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Individual relays within the D-SERIES DRI

- 1 CO contact
- AC coils
- With integrated status LED and test button

General ordering data

| | |
|------------|---|
| Version | D-SERIES DRI, Relay, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 230 V AC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm), Test button available: Yes |
| Order No. | 7760056320 |
| Type | DRI314730LT |
| GTIN (EAN) | 6944 16974025 1 |
| Qty. | 20 pc(s). |

Creation date July 23, 2024 10:45:53 AM CEST

Catalogue status 23.07.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|------------|
| Depth | 33.5 mm | Depth (inches) | 1.319 inch |
| Height | 31 mm | Height (inches) | 1.22 inch |
| Width | 13 mm | Width (inches) | 0.512 inch |
| Net weight | 19.555 g | | |

Temperatures

| | | | |
|---------------------|--|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...55 °C |
| Humidity | 35...85 % rel. humidity, no condensation | | |

Rated data UL

| | |
|-------------------------|---------|
| Certificate No. (cURus) | E312083 |
|-------------------------|---------|

Control side

| | | | |
|-----------------------|----------|------------------|----------------|
| Rated control voltage | 230 V AC | Rated current AC | 4,9 mA |
| Power rating | 1.1 VA | Coil resistance | 23500 Ω ± 10 % |
| Coil tolerance | 10 % | Status indicator | red LED |

Load side

| | | | |
|---|---------------------------------------|---|--|
| Rated switching voltage | 250 V AC | Continuous current | 10 A |
| Max. switching frequency at rated load | 0.1 Hz | Max. switching voltage, AC | 250 V |
| Max. switching voltage, DC | 250 V | AC switching capacity (resistive), max. | 2500 VA |
| DC switching capacity (resistive), max. | 240 W @ 24 V | Switch-on delay | ≤ 15 ms |
| Switch-off delay | ≤ 10 ms | Contact type | 1 CO contact (AgSnO) |
| Mechanical service life | 10 x 10 ⁶ switching cycles | Min. switching power | 10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |

General data

| | | | |
|--------------------------------------|---|-------------------|--|
| Test button available | Yes | | |
| Version of test button | Lockable test button, Momentary test button | | |
| Mechanical switch position indicator | No | | |
| Colour | Transparent | | |
| UL94 flammability rating component | Component | Relay cover | |
| | UL94 flammability rating | V-2 | |
| | Component | Relay baseplate | |
| | UL94 flammability rating | V-0 | |
| | Component | Relay test button | |
| | UL94 flammability rating | HB | |

Insulation coordination

| | | | |
|---|-----------------------------|--|-----------------------------|
| Rated voltage | 300 V | Pollution severity | 2 |
| Surge voltage category | III | Insulating material group | IIIa |
| Clearance and creepage distances for control side - load side | ≥ 4 mm | Dielectric strength for control side - load side | 5 kV _{eff} / 1 min |
| Dielectric strength of open contact | 1 kV _{eff} / 1 min | Impulse withstand voltage | 5 kV (1.2/50 μs) |
| Protection degree | IP20 | | |

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Technical data**Further details of approvals / standards**

Certificate No. (cURus) E312083

Connection dataWire connection method Flat blade connections
(4.7 mm x 0.5 mm)**Classifications**

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| ETIM 8.0 | EC001437 | ETIM 9.0 | EC001437 |
| ECLASS 9.0 | 27-37-16-01 | ECLASS 9.1 | 27-37-16-01 |
| ECLASS 10.0 | 27-37-16-01 | ECLASS 11.0 | 27-37-16-01 |
| ECLASS 12.0 | 27-37-16-01 | ECLASS 13.0 | 27-37-16-01 |
| ECLASS 14.0 | 27-37-16-01 | | |

Environmental Product ComplianceREACH SVHC /
RoHS Compliance Status Compliant without exemption**Approvals**

Approvals

ROHS Conform
UL File Number Search UL Website
Certificate No. (cURus) E312083**Downloads**

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Product Change Notification | 20210401 Product change Notification D-SERIES DRI relays - status indicator |
| User Documentation | FL D-SERIES DRI1CO LOAD GUIDE |
| Catalogues | Catalogues in PDF-format |

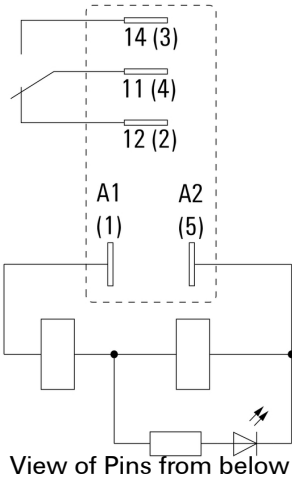
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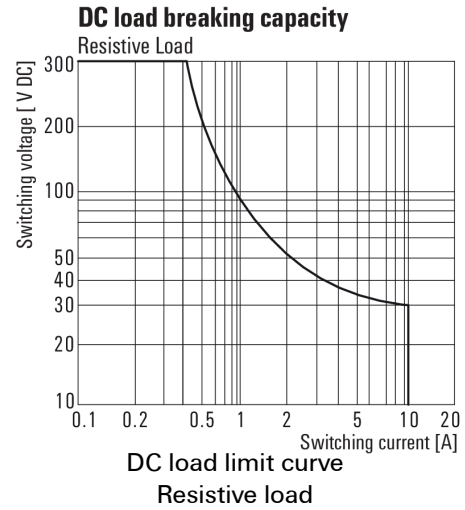
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Drawings

Wiring diagram



Graph



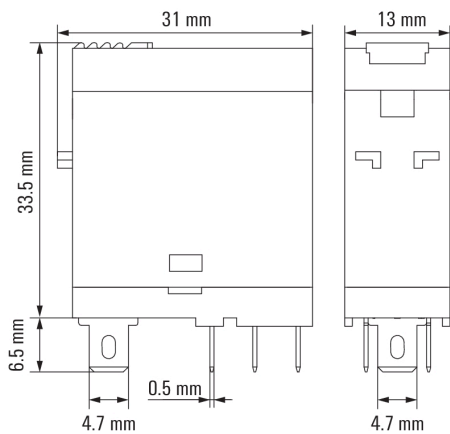
Graph



Graph



Dimensional drawing



Data sheet

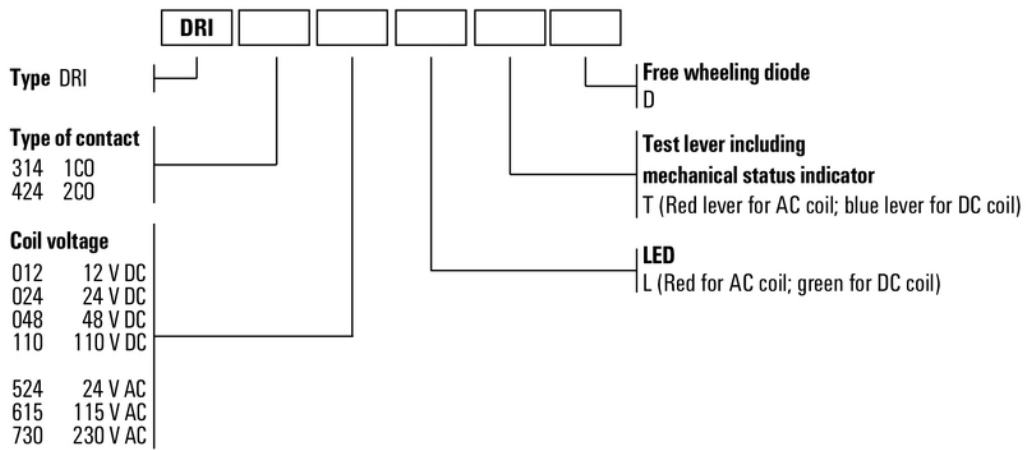
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Drawings

Miscellaneous



Type codes